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(54) Title: A STEEL COMPOSITION FOR THE PRODUCTION OF COLD ROLLED MULTIPHASE STEEL PRODUCTS

(57) Abstract: The present invention is related to a steel composition intended to be used in a process comprising a cold rolling step, for the production of uncoated, electro-galvanised or hot dip galvanised TRIP steel products, said composition being characterised by a specific addition of phosphorus. The latter is added in order to reach the desired mechanical properties (high tensile strength in combination with high elongation) while keeping a good weldability by sufficiently reducing the carbon content. The invention is further related to a process for producing a steel product, and to said steel product obtained, said product having the composition of the invention.

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000 (2000-02-29) -& JP 11 315328 A (NIPPON STEEL CORP), 16 November 1999 (1999-11-16) example E; table 1 paragraphs '0001!', '0032!	1-8
Y	abstract ----- -/-	9-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>EP 1 154 028 A (CORUS STAAL BV) 14 November 2001 (2001-11-14) abstract paragraphs '0001!', '0002!', '0011!', '0038!', '0074! paragraph '0043!; table 1 paragraph '0045! - paragraph '0046!; example 1 paragraph '0064! - paragraph '0065!; example 2 paragraph '0067! - paragraph '0070!; example 3 claims 12-15 examples C,D,F; tables 1,2,5,6</p>	9-19
A	<p>PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13, 30 November 1998 (1998-11-30) -& JP 10 219387 A (SUMITOMO METAL IND LTD), 18 August 1998 (1998-08-18) abstract example F; table 1</p>	1-8
A	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) -& JP 2000 160278 A (NIPPON STEEL CORP), 13 June 2000 (2000-06-13) abstract example 13; table 2</p>	1-8
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A	<p>EP 0 707 087 A (NIPPON STEEL CORP) 17 April 1996 (1996-04-17) page 4, line 18 - line 25 claims 1,3,4,6-8 page 8, line 33 - line 38 example 0; table 1</p>	1-19
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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